

CLAIMS

1. A power saw with a cutting line indicator comprising:
 - a rotary saw comprising a base;
 - a frame attached to said base and movable with respect to said base;
 - a motor carried by said frame;
 - 5 a rotary saw blade supported upon said motor and driven by said motor;
 - a cutting line indicator attached fixedly to said frame, said cutting line indicator comprising a container attached to said frame;
 - alignment means comprising a screw rotatably supported in said container and axially fixed with respect to said container and a threaded member engaged
 - 10 with said screw;
 - a lighting unit engaged with said threaded member for positioning with respect to said frame;
 - said lighting unit comprising a light source and a lens disposed to project a spot of light outward therefrom;
 - 15 said spot of light fixed to a width dimension that is substantially equal to the width of said saw blade
 - a second lens rotatably supported relative to said light source;
 - said second lens containing a plurality of lens surfaces thereon to re-form said projected light spot into a line of light having a fixed width and an elongated
 - 20 length;

whereby said light source may be shifted sideways to align the light source with said rotary saw blade and said second lens is rotatable about said spot of light to rotate said elongated line of light to align said line of light with a kerf formed by said saw blade.

2. The power saw and cutting line indicator of claim 1 wherein said line of light is positioned directly below and illuminates a width to equal said rotary saw blade width.
3. The power saw and cutting line indicator of claim 1 wherein said second lens comprises a first surface having corrugations in the form of a sinusoidal curve and a second surface being planar to form the line of light emanating therefrom.
4. The power saw and cutting line indicator of claim 3 wherein said line of light is produced by a laser light unit.
5. The power saw and cutting line indicator of claim 4 wherein said light source is disposed at a distance from said first lens to produce a spot of light which when passed through said second lens produces said light line.
6. The power saw and cutting line indicator of claim 5 wherein said light source is powered by an electrical connection to a battery.
7. The power saw and cutting line indicator of claim 5 wherein said light source is powered by an electrical connection to a source of alternating current.

8. The power saw and cutting line indicator of claim 6 wherein said container is mounted on a portion of said frame with said axis of said screw being substantially parallel with an axis about which said motor and said saw blade is moved during a movement of said saw blade to bring said saw blade into contact
5 with a workpiece being cut with said saw.

9. The power saw and cutting line indicator of claim 7 wherein said container is mounted on a portion of said frame with said axis of said screw being substantially parallel with an axis about which said motor and said saw blade is moved during a movement of said saw blade to bring said saw blade into contact
5 with a workpiece being cut with said saw.

10. The power saw and cutting line indicator of claim 6 wherein said container is mounted on a portion of said frame with said axis of said screw being substantially orthogonal to the movement of said saw blade when moved to bring said saw blade into contact with said workpiece.

11. The power saw and cutting line indicator of claim 7 wherein said container is mounted on a portion of said frame with said axis of said screw being substantially orthogonal to the movement of said saw blade when moved to bring said saw blade into contact with said workpiece.

#####